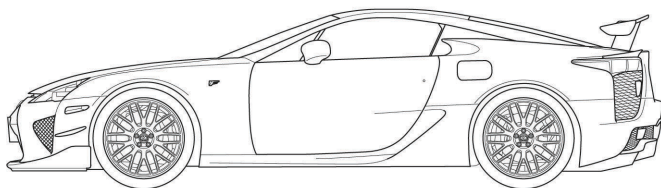
Chassis and suspension

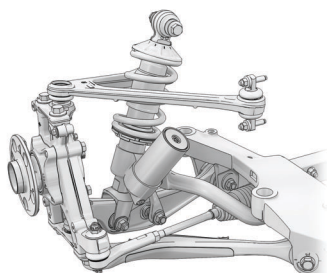
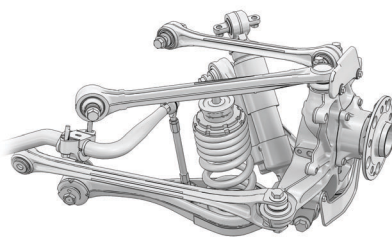
For the Nürburgring Package, in order to further improve stability and corning speed, exclusive shock absorbers, coil springs, stabilizers, high grip tires and aluminum wheels that enhance body control and grip have been adopted.

During repeated test runs at the Nürburgring, controllability was increased across all speed ranges from low to high, and a sense of oneness between the driver and the vehicle was pursued.

N-042

Suspension

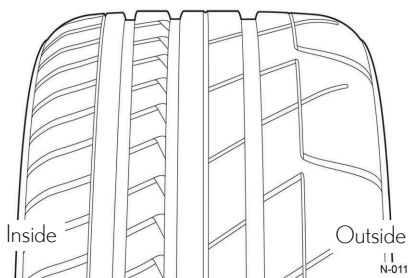
In order to maximize aerodynamic and suspension performance, vehicle height, wheel alignment, coil springs, stabilizers and the shock absorbers were finely tuned for the Nürburgring Package.

Accordingly, an astounding level of both handling with high controllability and stable body control has been achieved.

Item	Specification differences from the standard model
Vehicle height	Vehicle height lowered Front: -10 mm Rear: -10 mm
Wheel alignment	Negative camber angle increased Front: -0° 45' → -1° 10' Rear: -1° 45' → -2° 10'
Coil spring	Spring rate increased Front: 86 N/mm → 115 N/mm Rear: 103 N/mm → 155 N/mm (Non-linearly)
Stabilizer	Stabilizer gauge increased Front: Diameter: 31.8 mm → 31.8 mm Gauge: 4 mm → 5 mm Rear: Diameter: 25.4 mm → 25.4 mm Gauge: 4 mm → 6 mm
Shock absorber	Damping force increased (extend/rebound rate of 0.3 m/s) Front: 1870/1800 N → 2030/1920 N Rear: 2860/2210 N → 2960/2360 N

Front Rear

Tires

Through the adoption of a high-grip tread compound, the Bridgestone POTENZA RE070 tires have improved anti-wear performance and heat resistance ready for circuit driving while increasing grip.

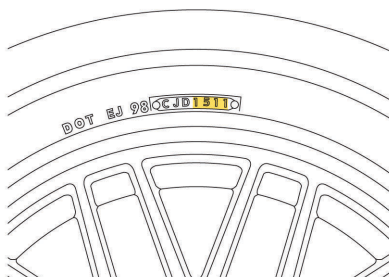
Regarding the tread pattern, by increasing the size of the tread blocks on the outside shoulder of the tires, where the most load is applied, the contact patch has been expanded and rigidity has been increased.

Furthermore, by adopting a construction with a highly rigid reinforcing belt, the sidewall rigidity is increased, ensuring linear response and grip when pushed to the limits.

Specification differences from the standard model

Brand of tire changed
(different tread pattern and compound)

Bridgestone POTENZA S001 → Bridgestone POTENZA RE070

Tire expiration date

In order to preserve tire performance, we recommend periodic replacement of tires every 6 years. The 4 digits on the sidewall can be read as follows:

1511

Last 2 digits of the year of manufacture

Week of manufacture

In the above example, the tire was manufactured in the 15th week of 2011.

N-026

Aluminum wheels

Through design changes, the exposed area of the disc surface has been expanded, improving brake cooling performance.

Specification differences from the standard model

Design changed

Twin spoke → Mesh

New design expands exposed disc surface area

Front: 4% increase
Rear: 7% increase

The grip of the POTENZA RE070 tires designed to perform best on dry roads.

Refrain from driving at high speeds on wet surfaces, such as on a highway in the rain, as the Nürburgring Package is fitted with wide tires that have narrow tire tread grooves that may increase the risk of hydroplaning.

The high-grip tread compound may crack during extremely cold temperatures. Therefore, refrain from driving or storing the tires in temperatures of -4°F (-20°C) or lower.